

I claim:

5 1. A process for facilitating patient self-diagnosis of symptoms comprising the steps:

 (a) providing a plurality of entry points that are symptoms that the patient will indicate are present;

 (b) providing a plurality of disease categories that the patient will check are related
10 to the symptoms indicated in step a; and

 (c) reporting a series of possible diagnoses and probabilities of such diagnoses.

 2. The process of claim 1 wherein each diagnosis is linked to a series of warnings if a possible disease requires urgent treatment.

 3. The process of claim 1 wherein each diagnosis is linked to a disclaimer
15 statement.

 4. The process of claim 1 wherein the process further comprises a step to provide any information of medications being taken, wherein possible side effects can be linked to the medications.

 5. An apparatus or server system for implementing a patient self-diagnosis service
20 over a wide area network means of communication, wherein the server system comprises a central processing unit, ROM, RAM, and a data storage device, wherein the data storage device comprises one or a plurality of databases selected from the group consisting of a symptoms database, a disease category database, a medications database, a diseases database, a health insurers/systems database, a health care professionals database, and combinations
25 thereof, wherein the symptoms database, the disease category database, and the diseases database must be present.

 6. A process for designing an algorithm for evidence-based medicine differential diagnoses, comprising:

 (a) providing a presenting symptom or group of symptoms;

30 (b) determining evidence-based probabilities for each diagnosis from medical literature or clinical experience sources;

 (c) merging the probabilities with aggregated data into decision alternatives; and

 (d) listing first and preference values as algorithm branchpoint choices.

 7. A process for determining a diagnosis comprising:

- (a) providing symptomatic information;
- (b) analyzing the symptomatic information using a likelihood ratio algorithm; and
- (c) determining a diagnosis based on a resulting calculation of the likelihood ratio algorithm.